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PRUDENTIAL  
STEEL  
BUILDINGS



BLAW-KNOX COMPANY  
PITTSBURGH·PA



PRUDENTIAL  
STEEL  
BUILDINGS



BLAW-KNOX COMPANY  
PITTSBURGH, PA.

# BLAW-KNOX

## PRUDENTIAL

# STEEL BUILDINGS



STANDARD IN PRINCIPLE  
UNIVERSAL IN APPLICATION

**BLAW-KNOX COMPANY**  
**PITTSBURGH-PA**

NEW YORK	CHICAGO	SAN FRANCISCO	DETROIT	BOSTON	BALTIMORE
165 Broadway	Peoples Gas Building	Monadnock Building	Lincoln Building	Little Building	Bayard & Warner Sts.





100' x 160' Prudential Steel Building furnished Maxwell Motor Company, Detroit, for automobile storage.



# FOREWORD



In order to render a more complete service to the industries we reach, we have been investigating and studying the various makes of standardized sectional steel buildings for the past three years, and, as a result of our efforts, take pleasure in submitting for your consideration the Blaw-Knox Prudential Steel Building.

These buildings have been on the market for over ten years, having been formerly manufactured and sold by The C. D. Pruden Company of Baltimore, Maryland.

Blaw-Knox Prudential Steel Buildings are standard in principle and universal in application. The fabricated steel members are carried in stock, ready for immediate shipment.

This catalogue is issued to give you a general idea of the design and construction of the buildings, and their adaptability to various purposes. We shall be pleased to show you how they will effect a great economy in meeting your particular requirements.

Complete standard specifications will be found on pages 16 to 29.

**BLAW-KNOX COMPANY**

*NOTE—In addition to these standardized sectional steel buildings, we design and fabricate steel buildings for heavy manufacturing and storage purposes.*

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Catalogue No. 21

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# PRUDENTIAL STEEL BUILDINGS



Prudential Steel Building, 40' wide,  
used for light manufacturing purposes.

## FOR INDUSTRIAL PURPOSES

**B**LAW-KNOX Prudential Steel Buildings will meet your every industrial plant requirement.

The standardized sectional fabricated steel members are carried in stock, in large quantities, ready for immediate shipment, can be erected on portable or permanent foundations with equal satisfaction, and are adaptable to every industrial purpose:

For light manufacturing  
storage and warehousing  
machinery housing  
as bunk houses  
power houses  
refinery buildings  
industrial cottages  
dining rooms

hospitals  
truck garages  
wash rooms  
stock rooms  
pump houses  
mess halls  
boiler houses  
pattern shops

forging shops, etc.



Industrial Plant users of Blaw-Knox Prudential Steel Buildings include such concerns as various U. S. Government Departments, Great Western Sugar Company, National Analine Chemical Company, Western Electric Company, Carpenter Steel Company, Wilmington Malleable Iron Works, Edison Storage Battery Company, Ralston Steel Car Company, Southern Steel Construction Company, etc.



# FOR INDUSTRIAL PURPOSES

The cost of Blaw-Knox Prudential Steel Buildings is materially lower than that of any steel or wood building on the market today. Designing cost is entirely eliminated, standardized fabricated members being used throughout.

Erection is accomplished by unskilled labor directed by a competent foreman, and can be done more quickly and economically than heretofore possible in any type of building. Erection blue prints are furnished with each building, and the services of our Erection Superintendents are at your disposal.

Prudential Steel Buildings range from 8 ft. to 50 ft. in the single span width, and in any desired length, the following sizes being carried in stock, available for immediate shipment:

- 20' wide x 8' high, in length multiples of 10'
- 20' wide x 10' high, in length multiples of 10'
- 30' wide x 10' high, in length multiples of 10'
- 40' wide x 12' high, in length multiples of 16'
- 50' wide x 12' high, in length multiples of 20'

While buildings of other sizes can be furnished in any multiple length or width of 2 ft., if very prompt shipment is essential we recommend using one of the above sizes, if possible.

Blaw-Knox Prudential Steel Buildings provide a permanent structure, absolutely fire and element proof, with all the advantages of standardized, portable design. They can be purchased and erected in less time than required for designing a building only.

Complete specifications will be found on pages 16 to 29.

Interior of the Prudential Steel Building illustrated on the opposite page.





# PRUDENTIAL STEEL BUILDINGS



Prudential Bunk Houses used on  
Pennsylvania Railroad Construction  
Work.

## FOR CONTRACTORS

**B**ECAUSE of their portable design, Blaw-Knox Prudential Steel Buildings can be erected on temporary foundations as well as on permanent foundations, and therefore are peculiarly adapted to the needs of the contractor.

The cost of housing men, materials, machinery and equipment has ever been a very serious one on construction work, because of the varying costs of materials and the varying conditions encountered.

When Blaw-Knox Prudential Steel Buildings are used, however, the construction man can figure such costs accurately, in all cases.

These buildings range from 8 ft. to 50 ft. in the single span width, and in any desired length; and are adaptable to any purpose, such as field offices, mess halls, bunk houses, truck garages, storage sheds, machinery housing, etc.

James Stewart & Company, MacDonald Construction Company, The Degnon Contracting Company, North-Eastern Construction Company, Pittsburgh Contracting Company and scores of other big contractors throughout the country have been using Blaw-Knox Prudential Steel Buildings for many years.

While field offices are commonly used only for that purpose, it will be often found more economical to use a larger building, properly partitioned, in which to house supplies and equipment also.

Buildings of any length can be made shorter by leaving out some of the units, or can be made longer by adding additional units, at any time. The interchangeable units make it possible to place doors, windows, skylights, etc., wherever desired.



# FOR CONTRACTORS

## STANDARD BUNK HOUSES

Type A, 20 ft. wide x 30 ft. long x 8 ft. high. (Capacity—16 single or double bunks).

### Equipment

- 2 Doors, each 2' 6" x 6' 6"
- 20 Windows, each 2' x 4'
- 2 Ventilators, each 20" diameter
- 1 Chimney, 8" diameter

Type B, 20 ft. wide x 50 ft. long x 8 ft. high. (Capacity—26 single or double bunks.)

### Equipment

- 2 Doors, each 2' 6" x 6' 6"
- 30 Windows, each 2' x 4'
- 3 Ventilators, each 20" diameter
- 2 Chimneys, each 8" diameter

## STANDARD FIELD OFFICES

Quixet Type, 12 ft. wide x 20 ft. long x 8 ft. high.

### Equipment

- 8 Windows, each 2' 6" x 3'
- 1 Door, 2' x 1½" x 6' 6"
- 1 Ventilator, 20" diameter
- 1 Chimney, 8" diameter

Prudential Type, 16 ft. wide x 30 ft. long x 8 ft. high.

### Equipment

- 13 Windows, each 2' x 4'
- 2 Doors, each 2' 6" x 6' 6"
- 1 Ventilator, 20" diameter
- 1 Chimney, 8" diameter

## STANDARD STORAGE BUILDINGS

Contractors Storage Buildings can be furnished *from stock* in the following sizes:

- 16' wide x 8' high, in length multiples of 10'
- 16' wide x 10' high, in length multiples of 10'
- 18' wide x 8' high, in length multiples of 10'
- 18' wide x 10' high, in length multiples of 10'
- 20' wide x 8' high, in length multiples of 10'
- 20' wide x 10' high, in length multiples of 10'
- 30' wide x 10' high, in length multiples of 10'
- 40' wide x 12' high, in length multiples of 16'
- 50' wide x 12' high, in length multiples of 20'

Standard size doors and other equipment is furnished as required—the interchangeable units make it possible to place doors, windows, skylights, etc., wherever desired.

All Blaw-Knox Prudential Steel Buildings are absolutely sanitary, and fire and element proof, and partitions can be placed wherever desired. Complete specifications will be found on pages 16 to 29.

Standard Field Office, Prudential Type,  
used by James Stewart & Co., General  
Contractors.





# PRUDENTIAL STEEL BUILDINGS



Prudential Steel Building, 50 ft. clear span, used for hide and leather storage, erected in Camden, N. J., for Ruby-Kid Company.

## FOR STORAGE AND WAREHOUSING

Blaw-Knox Prudential Steel Buildings, used for storing or warehousing raw materials or manufactured products, offer two very striking advantages in these days of unfilled demand.

**FIRST**, they represent a type of structure that can be secured and erected in less time than it ordinarily takes to design a special building.

**SECOND**, their cost, even in the face of high prices, is much lower than a specially designed structure would have cost at former normal levels.

Blaw-Knox Prudential Steel Buildings will meet every storage or warehousing purpose.

Prudential Steel Buildings range from 8 ft. to 50 ft. in the single span width, and in any desired length, the following sizes being carried in stock, available for immediate shipment:

- 20' wide x 8' high, in length multiples of 10'
- 20' wide x 10' high, in length multiples of 10'
- 30' wide x 10' high, in length multiples of 10'
- 40' wide x 12' high, in length multiples of 16'
- 50' wide x 12' high, in length multiples of 20'

While buildings of other sizes can be furnished in any multiple length or width of 2 ft., if very prompt shipment is essential we recommend using one of the above sizes, if possible.



# FOR STORAGE AND WAREHOUSING

Sliding or swinging doors can be furnished in various sizes. Lighting is effected either by means of windows of various types, or by skylights, or both.

Erection costs are very low, as the fabricated units are easily and quickly assembled by unskilled labor. The buildings are absolutely fire and weather proof.

Blaw-Knox Prudential Steel Buildings have the added advantage of portability—if desirable or necessary, at any time, these buildings can be taken down without damage to the structure, and moved to a new location.

These buildings are being used for storage and warehousing purposes by many of the larger concerns throughout the country, such as Maxwell Motor Company, Edison Phonograph Works, Union Switch & Signal Company, Standard Oil Company, Orenda Coal Company, Niagara & Erie Power Company, Lucey Manufacturing Corporation, Killon Rubber Company, Tidewater Pipe Company, Ltd., Boston Consolidated Gas Co., Dennison Manufacturing Co., Union Tank Car Co., etc.

If you are faced with a storage or warehouse problem, we shall be pleased to show you how it may be solved with a Blaw-Knox Prudential Steel Building.

See pages 16 to 29 for complete specifications.

Interior view of automobile parts storage Prudential Steel Building of Maxwell Motor Company, Detroit, Mich.





# PRUDENTIAL STEEL BUILDINGS



Freight Station and Office for Municipal R. R. Co., Bush Terminal, Brooklyn, N. Y. Size 30' x 120', divided into three sections.

## FOR ELECTRIC AND STEAM RAILWAYS AND MUNICIPALITIES

Blaw-Knox Prudential Steel Buildings are filling an ever increasing demand in the electric railway, steam railroad, and municipal fields, for permanent as well as temporary structures.

The standardized sectional fabricated steel units are carried in stock in single span widths from 8 ft. to 50 ft., and in any length. Being standard and portable in design, they answer the problem of low cost and quick erection.

For more than ten years Blaw-Knox Prudential Steel Buildings have been used by railways, railroads and municipalities as freight stations, tool houses, storage sheds, car repair shops, shelter houses, public voting places, waiting stations, etc.

The Blaw-Knox Voting Place illustrated at the right, is 12' x 20' x 8', and has been standardized by many municipalities and voting districts.





# FOR RAILWAYS AND RAILROADS

Flagman's Station and Phone Booth which is being extensively used by Railroads and Construction Companies. It is made in various sizes.



On construction work Prudential Buildings are particularly desirable for use as bunk houses, mess halls, flagmen's stations, field offices, and similar purposes. (See pages 6 and 7).

The Prudential Waiting Station was designed particularly for street and interurban railway use, and is being used very extensively particularly throughout the east.

Users of Blaw-Knox Prudential Steel Buildings include such concerns as Pennsylvania Railroad, Brooklyn Rapid Transit Company, City of Pittsburgh, Boston Elevated Railway, City of Buffalo, City of Hazleton, Chesapeake and Potomac Telephone Company, Consumers Gas, Electric Light and Power Company, etc.

Complete specifications will be found on pages 16 to 29.



Prudential Waiting Stations are the most practical and economical buildings for the purpose, and can be furnished in any size desired.

# PRUDENTIAL STEEL BUILDINGS



Prudential Steel Buildings are peculiarly adapted for housing and storing machinery.

## FOR GENERAL PURPOSES

In practically every field of human endeavor, there is need for Blaw-Knox Prudential Steel Buildings.

Because these buildings can be adapted to practically every purpose for which a one-story structure can be used.

Being standard and portable in design, the cost of these buildings is materially lower than that of any other type. The fabricated members are supplied from stock, and can be erected, by unskilled labor, in a fraction of the time required for the erection of any other type of building, and at a lower cost.

These standardized sectional steel buildings can be furnished in any width from 8 ft. to 50 ft. in the single span, and in any required length.

Lighting, lining, and ventilation can be provided as desired.

While they are standard in design and principle, Blaw-Knox Prudential Steel Buildings are adaptable to every purpose—for housing men and materials, machinery and equipment.

Interior of a Prudential Steel Building used as a dining room by Great Western Sugar Company, Gering, Nebraska.





# FOR GENERAL PURPOSES



Prudential Steel Buildings are used very extensively as dormitories.

If it is a question of housing men, we can supply the dormitory, dining hall, shelter house, office building, miner's cabin, cottage, lodge or club room, school, etc.

For housing materials and equipment Prudential Steel Buildings, with or without siding, can be furnished. Or a part of a building designed for some other purpose can be used.

As a housing for machinery, from the small pump house 8 ft. wide, to the large power house 50 ft. wide, the Prudential Steel Building has no equal in low cost or adaptability.

We are desirous of cooperating with you for any requirements you may have, whether it be a large industrial structure or a private garage.

See pages 16 to 29 for complete specifications. Blaw-Knox Quixet Garages are illustrated and described on pages 30 and 31.



18' x 30' x 10' Prudential Steel Building used as a garage for trucks, and for housing tools and equipment.



# PRUDENTIAL STEEL BUILDINGS



Prudential Type Multiplex Garage  
used by Many Industrial Companies

## FOR GENERAL PURPOSES

Blaw-Knox Multiplex Garages are used by many industrial concerns for housing employees' automobiles.

These garages are made in 8', 10', or 12' compartment widths, either 15', 17' 6", or 20' deep, and are furnished with or without partitions, as required.

One pair of hinged doors, 7' 9" x 7' 9", and one wire glass window, 2' x 3', is the standard equipment furnished for each compartment. Ventilators and other equipment are furnished at an extra price.

Blaw-Knox Quixet Cottages are used extensively as workmen's homes as well as summer cottages.

They are made in three, four, and five room sizes.

These cottages are compact, durable, and absolutely weather and fireproof.

Should it be found desirable at any time to move a Quixet Cottage to another location, the entire building can be salvaged, without the loss of even a bolt.

Quixet Cottage in general use for  
Housing Purposes.





# FOR GENERAL PURPOSES



7' 6" x 7' 6" Quixet Watchman's House  
used by a large Manufacturing Com-  
pany in the Pittsburgh District.

Quixet Watchman's Houses are convenient and comfortable buildings, which are furnished in any length and width multiple of 2' 6", the standard height being 8'.

Standard size doors, windows, and other equipment is furnished as required—the interchangeable units make it possible to place windows doors, etc., wherever desired.

The standard Blaw-Knox Gasoline Service Station is 14' wide, 28' long, fitted with special type windows and doors.

Other sizes and types can be furnished as required.



Standard Gasoline Service Station, as used  
by many well known Oil Companies.



# FOUNDATIONS AND FLOORS



View of Foundation for Columns of a Standard 50 ft. Building, where special sill is provided to carry weight of wall. The floor is put in after Erection of the Structure.

Foundation plans and complete specifications are furnished the customer immediately on receipt of order for a building.

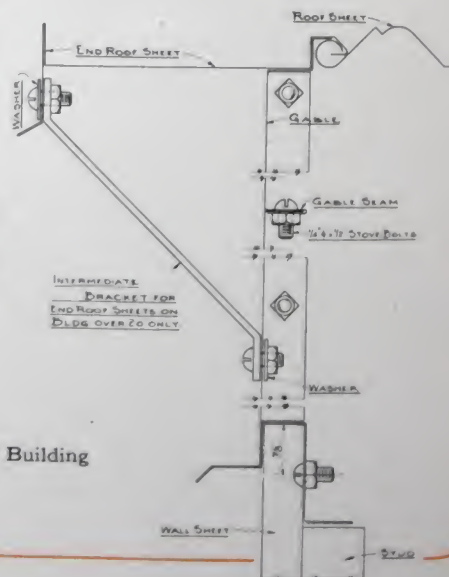
When a Prudential Steel Building is to be located permanently, it should be erected on concrete walls, no matter what type of floor is used. The U shaped galvanized anchor bolts required for the foundations are shipped from the factory at the same time the plans go forward, in order that the foundation may be prepared in advance of erection.

When Prudential Steel Buildings are furnished for erection on wood sills and posts, the sill angles are drilled for lag screws, which are used to anchor the building to the foundation.

Any type of floor can be installed in Blaw-Knox Prudential Steel Buildings. When used for light manufacturing purposes, we recommend the use of a wooden floor built on wooden joists embedded in concrete.

Due to the superior design and the scientific spacing of columns, the cost of the foundation for a Blaw-Knox Prudential Steel Building is materially lower than for any other type of all steel building.

Our engineering department will be pleased to consult with you in getting the site ready, preparing the foundation, and in erecting the building.



Section at Gable End of Building



# STRUCTURAL STEEL FRAMES



Completing the Erection of the Structural Frame of a 50 ft. Building. Wall and Roof Coverings being Placed.

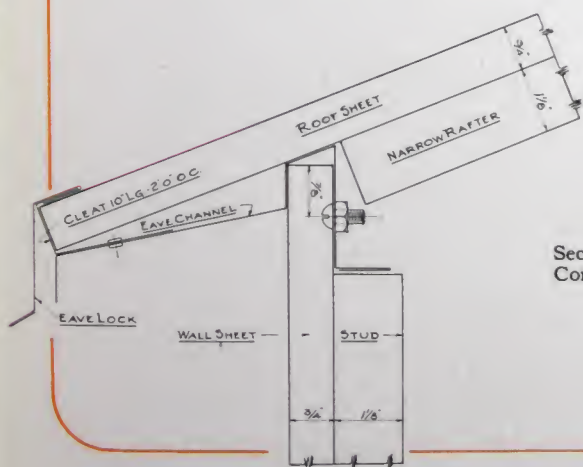
The frame of Blaw-Knox Prudential Steel Buildings is of standard structural steel sections. All shop connections are riveted, field connections being made by means of bolts. The fabricated sections are so designed that a minimum number of field connections are required, and the chance of error is eliminated due to quantity production and shop standards.

The structural frames are designed with an ample factor of safety, to carry roof and wind loads.

All structural steel is given one coat of paint before shipment.

Erection blue prints are furnished with each building, and the services of our Erection Superintendents are at your disposal.

Erection of Blaw-Knox Prudential Steel Buildings by unskilled labor directed by a competent foreman, can be accomplished more quickly and economically than heretofore possible in any type of building.



Section at Eave of Building, Showing Connection of Wall Sheeting, Eave Channel, and Roof Sheets.



# WALL AND ROOF COVERING



Placing Wall and Roof Sheets. The Elimination of Bolts and Rivets in the Roof Sheets Simplifies Erection Work.

The covering for Blaw-Knox Prudential Steel Buildings is of a unique (patented) character, which not only assures much greater strength than can be found in any other type of covering, but also makes possible much quicker erection.

The complete covering consists of Wall and Roof Sheets, Wall Studs, Roof Rafters and Weather Caps, Eave Channel and Eave Lock, Gable Ends, and Ridge and Ridge Cap.

**WALL AND ROOF SHEETS.** The Wall and Roof Sheets, which are alike, are not made of ordinary corrugated iron, but of a specially pressed (patented), heavily galvanized sheet steel, each 2 feet wide, with a bead running the length of each sheet.

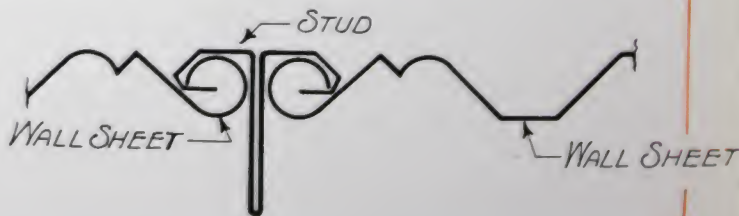
Wall Sheets are furnished in 8, 10, and 12 ft. lengths, each sheet being fitted with three  $\frac{1}{4}$ " stove bolts at top and bottom ends, by means of which they are bolted to the angle iron sill of the building and to the eave at the top of the wall.

**ROOF SHEETS.** Roof Sheets are furnished in various lengths. At the top, roof sheets rest on the ridge and are securely held in position by the ridge cap. At the bottom, the roof sheets lay in the eave channel, and are locked in position by the eave lock. Where two or more sheets are required in order to span the width of the roof, a roof joint channel is used to hold the overlapping sheets in position and bind them to the steel purlin. A lead flashing makes the joint absolutely weatherproof and prevents corrosion or rusting of sheets.

This construction practically eliminates the use of bolts and rivets in the siding and roofing, makes erection work very simple, and tends to prolong the life of the sheets.

**WALL STUDS.** The wall studs which serve not only to connect adjoining wall sheets but also to give extra strength and stiffness to those sheets, are made of heavy, galvanized sheet metal. The beads of the wall studs slide into the beads of the wall sheets, which provides the simplest

Section Showing Method of Connecting Wall Sheets by means of Sliding Studs.





# WALL AND ROOF COVERING



View of the New Car Storage Building of Maxwell Motor Company, Detroit. Note that One End Wall and One Side Wall were not Required.

and quickest known method of interlocking and erecting the walls of the steel buildings. (See detail on page 18).

**ROOF RAFTERS AND WEATHER CAPS.** The roof rafters are of the same design as the wall studs, and perform the same function. The weather cap is an additional sliding member, which engages the beaded edges of the roof sheets, and which is designed to make the roof absolutely water tight. (See detail below).

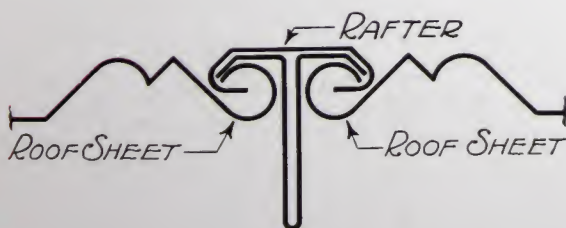
**EAVE CHANNEL AND EAVE LOCK.** The eave channel is a pressed metal member which fits over the top of the wall sheets to which it is bolted. The inner and outer edges of the eave channel are formed to give additional strength and to provide a means for receiving the roofing sheets and rafters. (For detail see page 17).

The eave lock is also a pressed member, which is designed to hold the roof sheets in the eave channel.

**GABLE ENDS.** Gable Ends for buildings 20 ft. in width and under, are made with vertical standing joint 1" in depth. Each Gable End carries a channel on the bottom edge to receive the wall sheets below to which the wall sheets are bolted in the same manner as on the eave channel.

Gable Ends for buildings 30 ft. and over in width are built of standard sheets, the same as walls and roofs, and are fitted with a bent plate or channel to engage wall sheets at bottom and roof sheets at top.

**RIDGE AND RIDGE CAP.** Ridge is made of No. 24 gauge galvanized sheet steel. Ridge is 3" wide and 4" deep formed with a stem at the top and bottom, flanged on each side to the bevel of the roof, with 2" bearings on which the roof sheets rest. Rafters abut against these 2" bearings. Ridge is attached to the gable ends with a triangular bracket of heavy galvanized steel, the top edge being bolted to the vertical standing seam in the center of the gable. The ridge is provided with a cap, the flanges of which extend 3" over the top edge of the roofing sheet and carry a continuous lead flashing, which, after the ridge is put on, is bent down to fit the fluting in the roofing sheet so as to make weathertight and prevent the entrance of water under the ridge cap. The cap is bolted to the standing stem on top of the ridge by  $\frac{1}{4}$ " galvanized bolts not more than 2 ft. apart. (For detail see page 21).



Section Showing Method of Connecting Roof Sheets.



# PRUDENTIAL DOORS



View of a Standard 50 ft. Building  
Equipped with Special Large Sliding  
Doors.

Blaw-Knox Prudential Buildings are equipped with doors having styles and rails of wood covered with heavily galvanized pressed steel. Door panels of pressed galvanized steel. Doors are furnished complete with locks and either sliding or swinging hardware complete.

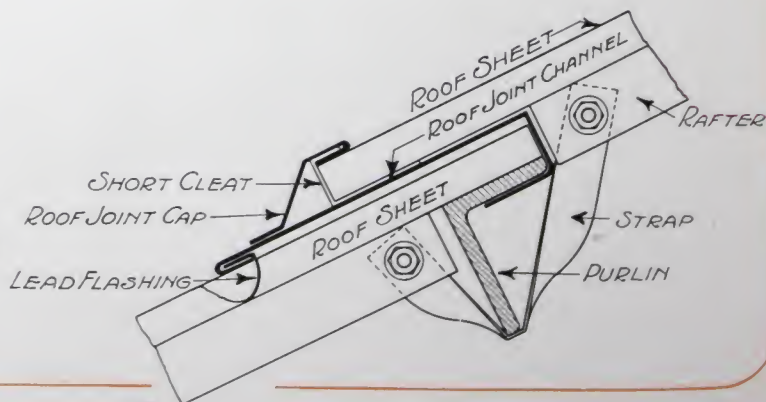
Standard Doors, either swinging or sliding, are furnished in the following sizes:

Single	Double
2' 1 1/2" x 6' 6"	4' 3" x 6' 6"      7' 9" x 9' 6"
2' 6" x 6' 6"	5' 0" x 6' 6"      9' 9" x 9' 6"
3' 10" x 6' 6"	7' 9" x 7' 9"      9' 9" x 11' 6"

Note that Blaw-Knox Prudential Buildings are absolutely fire-proof in every particular, the sash being glazed with heavy wire glass and the doors covered with pressed galvanized steel, leaving nothing whatever about the building which is inflammable.

**LIGHTING.** Windows and skylights may be placed wherever desired, being interchangeable with siding and roofing sheets.

Detail of Connection at Purlins (at D, pages 22, 24, 26, and 28) which eliminates the Punching of Holes in the Roof Sheets, and the use of Rivets.





# LIGHTING, LINING AND VENTILATION



This Illustration Gives a Good Idea of the Lighting and Ventilating Possibilities of Prudential Steel Buildings.

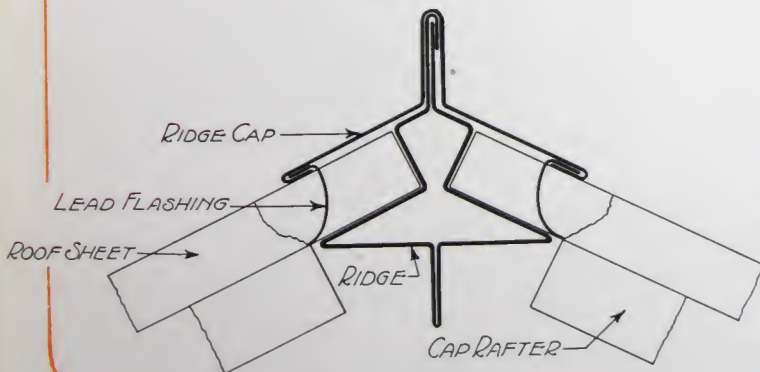
Standard Windows, hinged either at top or at side, are 2' x 2', with  $15\frac{1}{2}$ " x  $21\frac{1}{2}$ " opening for glass, or 2' x 4', with  $15\frac{1}{2}$ " x  $43\frac{1}{4}$ " opening.

Standard Skylights are 2' x 4', with  $23\frac{3}{4}$ " x  $48\frac{1}{4}$ " glass opening, and 2' x 6', with  $23\frac{3}{4}$ " x  $72\frac{1}{2}$ " glass opening.

**LINING.** When desired, Blaw-Knox Prudential Steel Buildings can be quickly and economically lined with wood, or wall board.

When it is known beforehand that a building is to be lined, either at the time of erection or later on, we should be so advised in order that wall studs, etc. may be punched and other provisions made so that lining may be readily accomplished. If desired lining will be furnished by us.

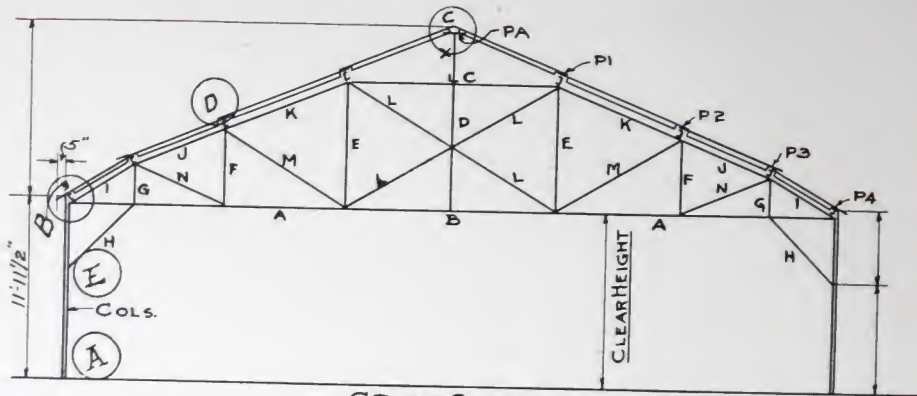
**VENTILATION.** Ventilators are of standard design, 20" in diameter. Material is heavily galvanized steel. Equipped with cowl and damper. Ventilator is supplied complete with attachment for operating damper.



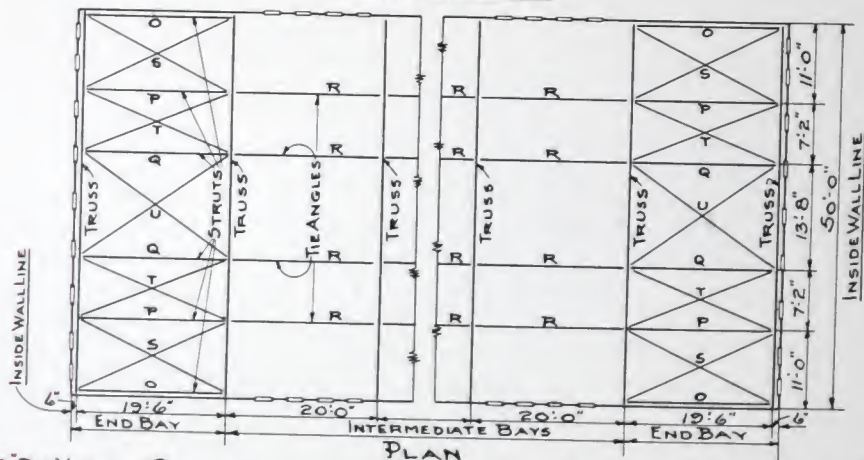
Detail of Connection at Ridge (at C, pages 22, 24, 26, and 28)—Simple, Efficient, and Weatherproof.

# CROSS SECTIONS

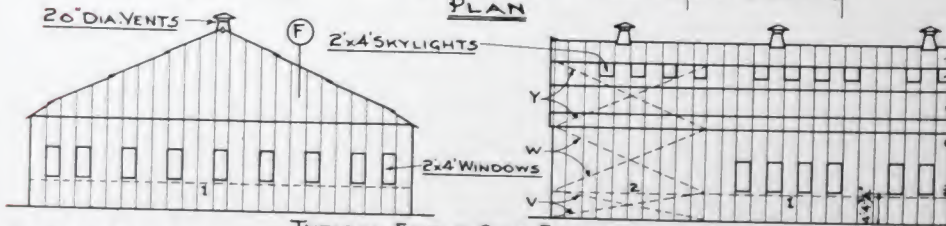
## 50 FT. WIDE BUILDINGS



CROSS SECTION



PLAN



TYPICAL END & SIDE ELEVATIONS

### GENERAL NOTES:-

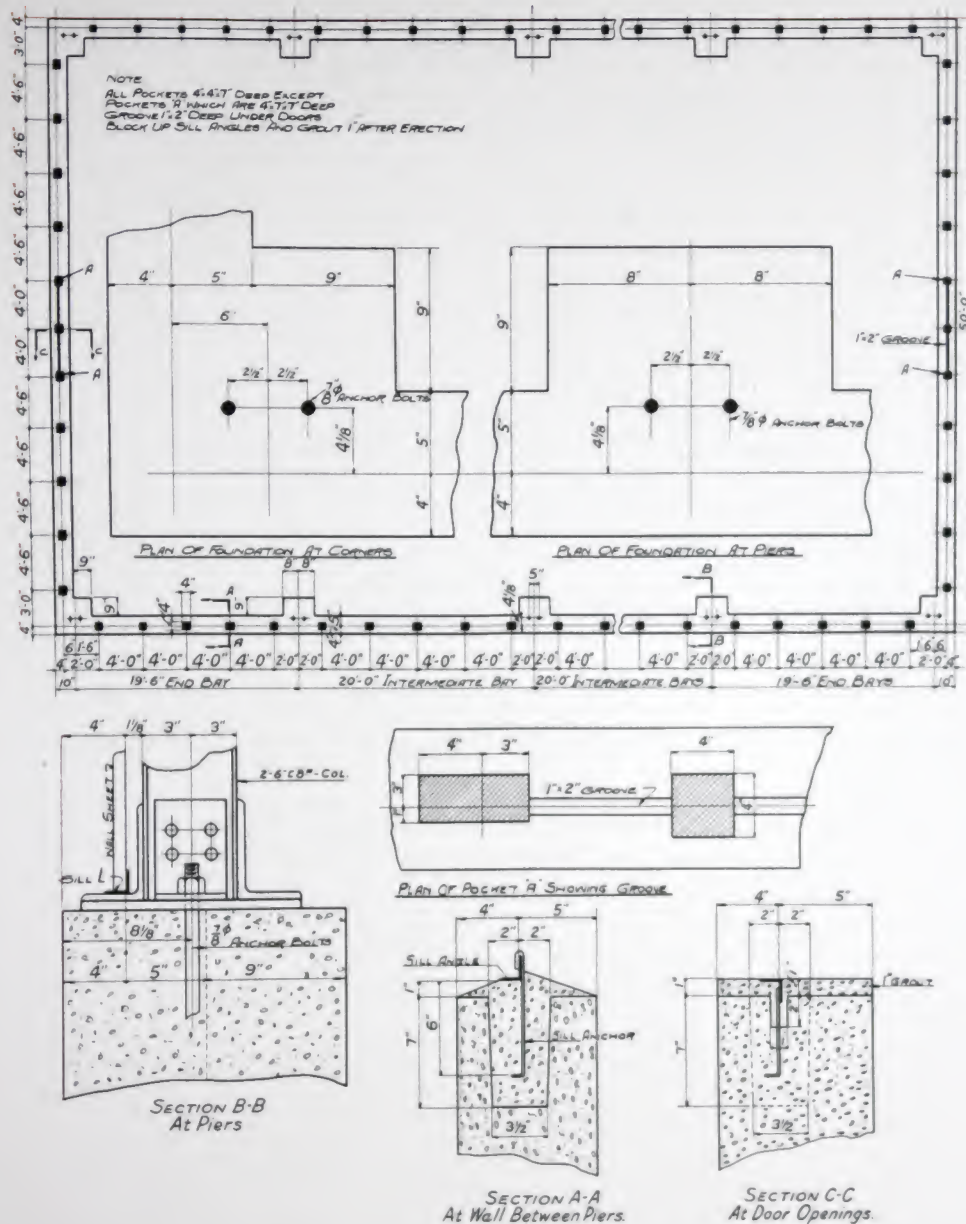
NO SWINGING WINDOWS, NOR DOORS, TO BE PLACED IN END BAYS. TWO LINES OF SAG TIES IN EACH BAY.

Cross Section, Plan, and Elevations of the Standard 50 ft. wide Prudential Steel Buildings.



# PLANS AND ELEVATIONS

## 50 FT. WIDE BUILDINGS

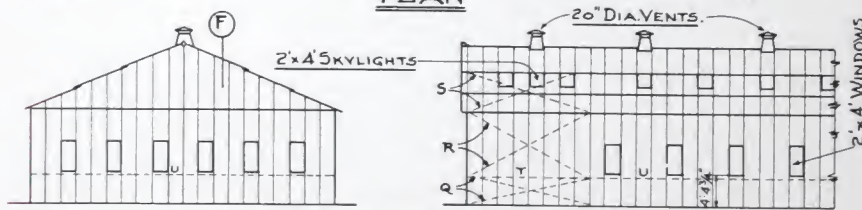
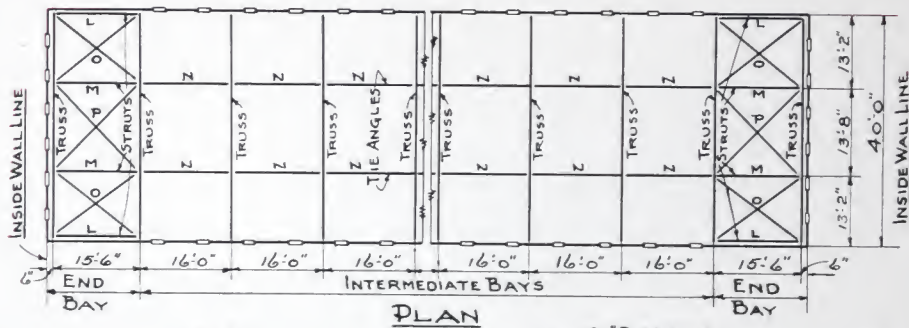
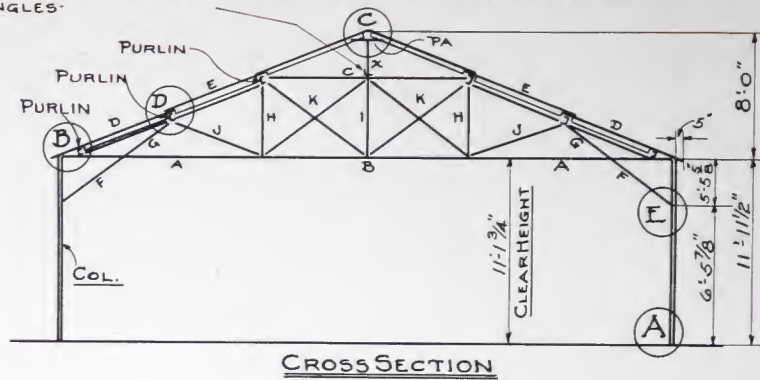


Plans and Sections for Concrete Foundations for  
Standard 50 ft. wide Prudential Steel Buildings.

# CROSS SECTIONS

## 40 FT. WIDE BUILDINGS

TIE ANGLES-



### GENERAL NOTES:-

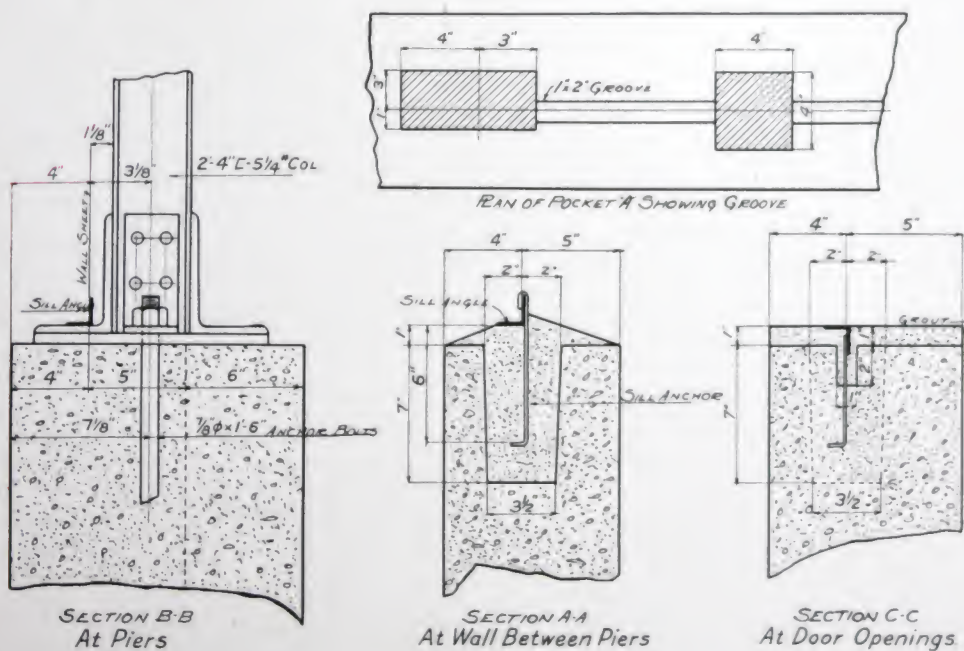
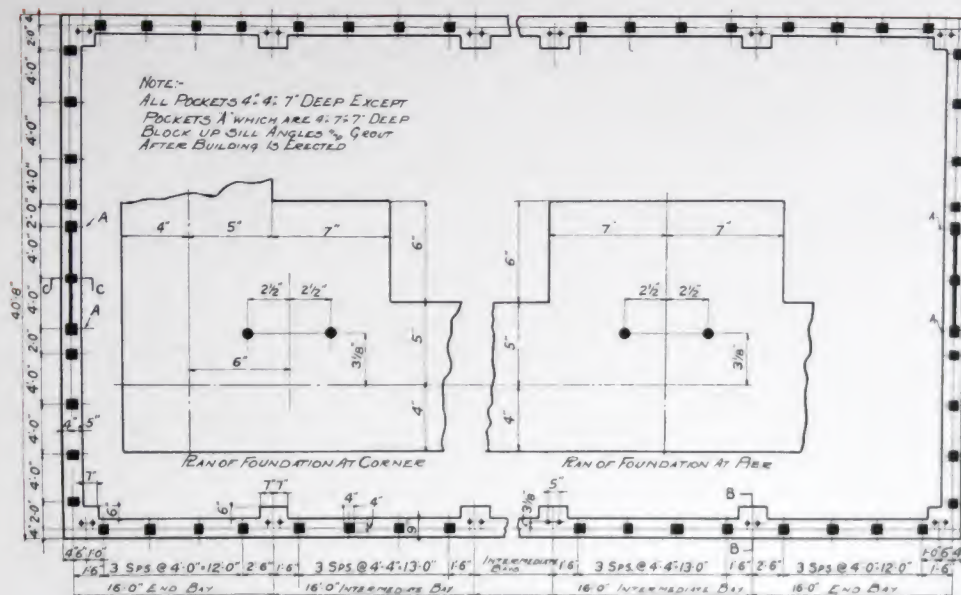
NO SWINGING WINDOWS, NOR DOORS, TO BE PLACED IN END BAYS. TWO LINES OF SAG TIES IN EACH BAY.

Cross Section, Plan, and Elevations of the Standard 40 ft. wide Prudential Steel Buildings.



# PLANS AND ELEVATIONS

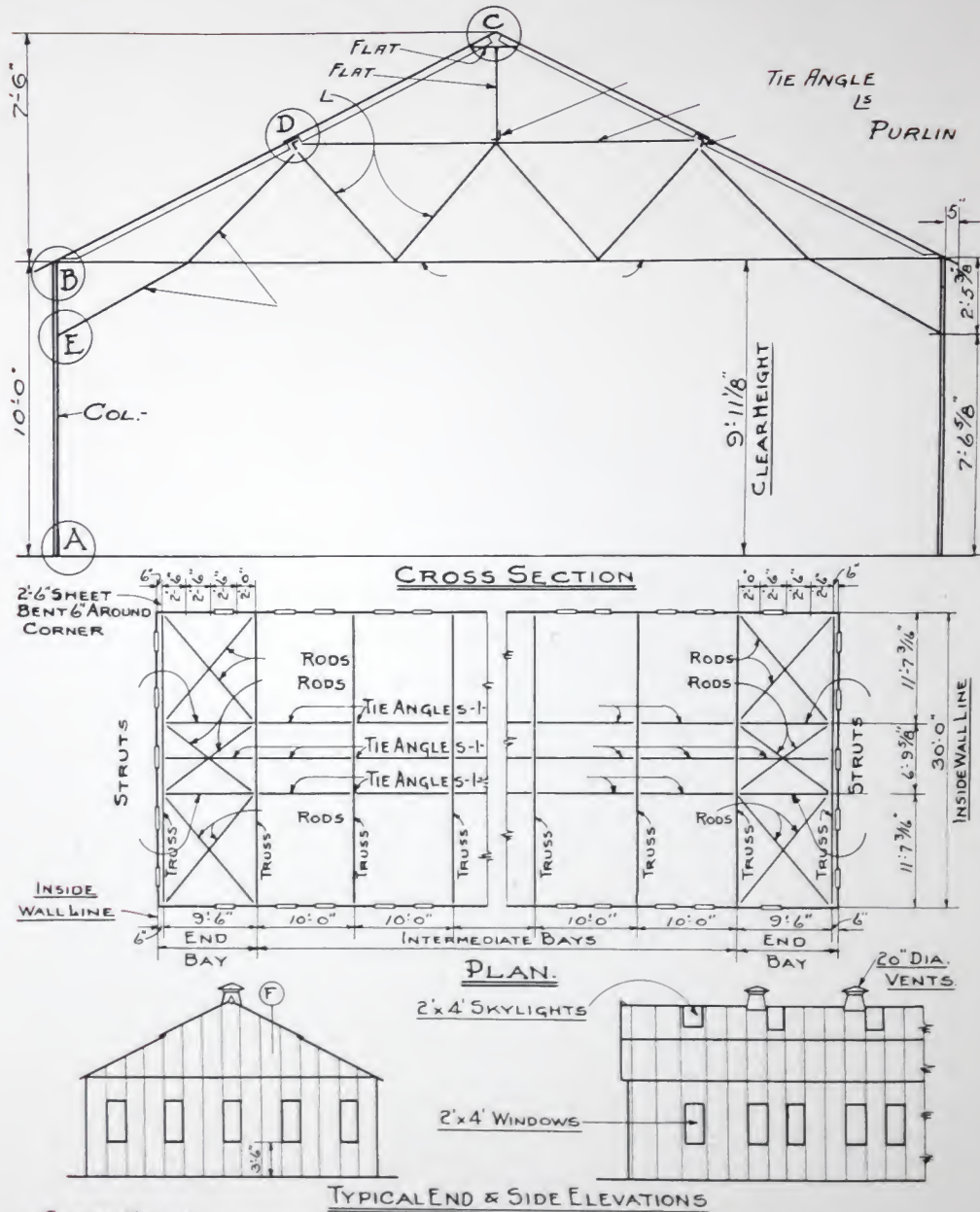
## 40 FT. WIDE BUILDINGS



Plans and Sections for Concrete Foundations for  
Standard 40 ft. wide Prudential Steel Buildings.

# CROSS SECTIONS

## 30 FT. WIDE BUILDINGS



### GENERAL NOTES:-

GUSSET PLATES ARE BOLTED TO #24 GAUGE RAFTER WHICH FORMS TOP CHORD OF TRUSS. COLUMNS ARE BOLTED TO WIDE WALL STUDS.

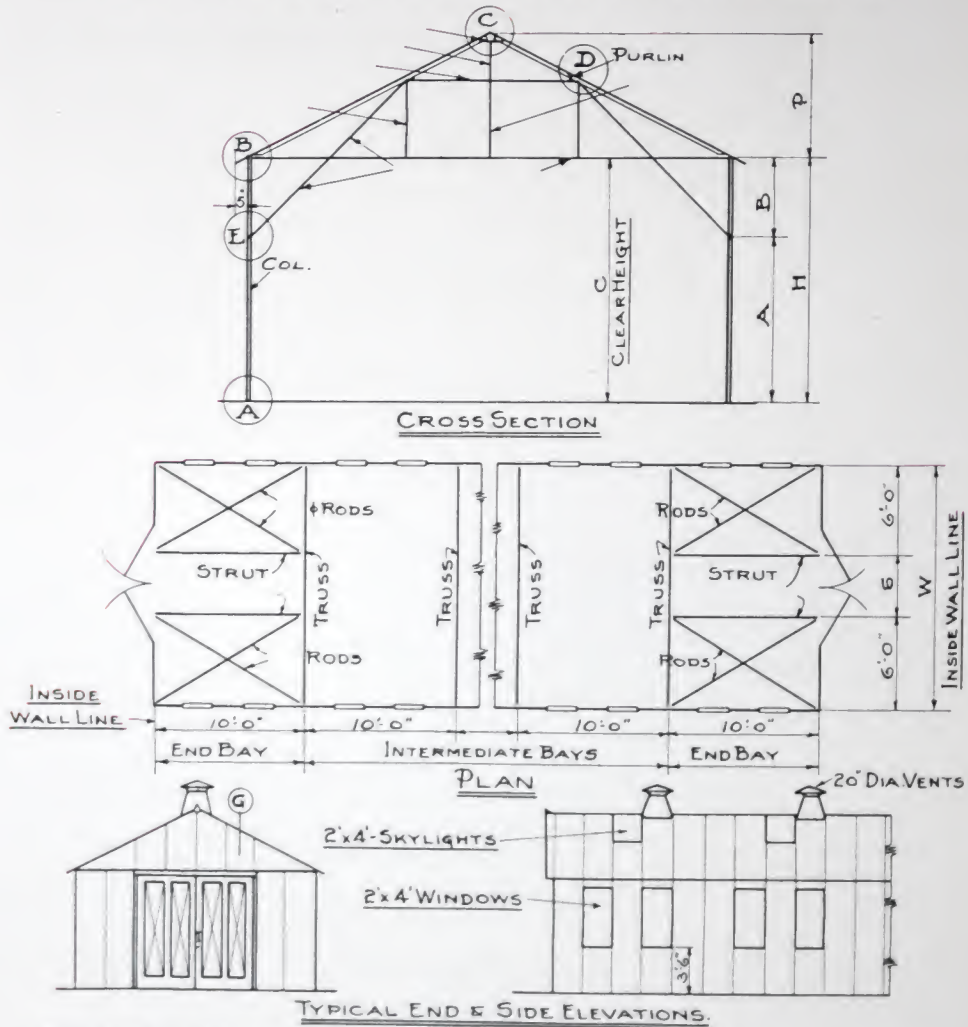
Cross Section, Plan, and Elevations of the Standard 30 ft. wide Prudential Steel Buildings.





# CROSS SECTIONS

16, 18, 20 AND 22 FT. WIDE BUILDINGS



## GENERAL NOTES:-

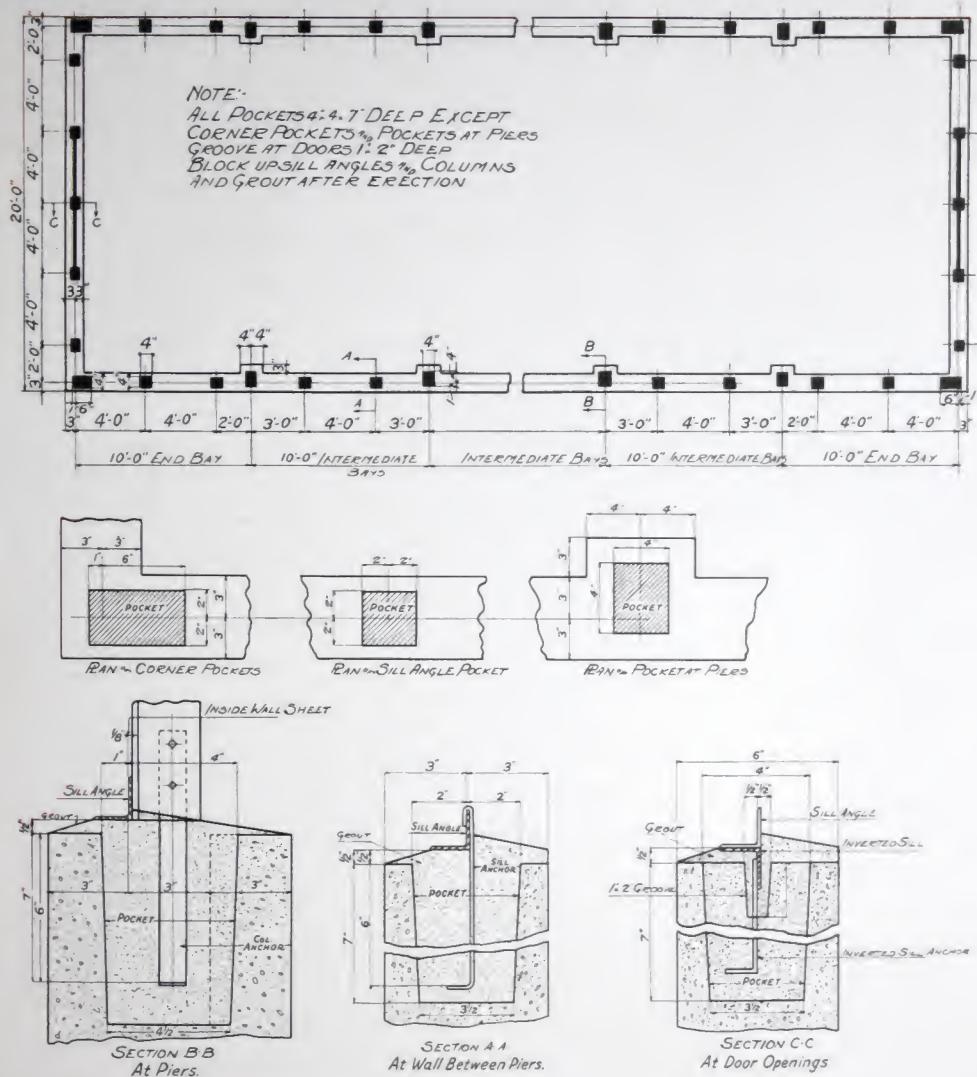
GUSSET PLATES ARE BOLTED TO 24 GAUGE RAFTER WHICH FORMS TOP CHORD OF TRUSS. BUILDINGS HAVE NO END TRUSSES. STRUTS ARE FASTENED TO GABLE CHANNELS BY MEANS OF PLATES. PURLINS ARE FASTENED TO ANGLES WHICH ARE IN TURN BOLTED TO GABLE. THE ABOVE PLAN SHOWS BRACING IN PLANE OF BOTTOM CHORD OF TRUSS.

Cross Section, Plan, and Elevations of the Standard 16 ft., 18 ft., 20 ft., and 22 ft. wide Prudential Steel Buildings.



# PLANS AND ELEVATIONS

## 16, 18, 20 AND 22 FT. WIDE BUILDINGS



Plans and Sections for Concrete Foundations for  
Standard 16 ft., 18 ft., 20 ft., and 22 ft. wide  
Prudential Steel Buildings.

# QUIXET GARAGES



Convenience, Economy, Appearance, and Durability are the particular features of Quixet Garages.

Quixet—*quick set*—Garages are smart buildings, just as neat and attractive as any one could desire. They are fireproof, windproof, and rainproof, from peak to sill.

Quixet Garages are an adaptation of the Prudential design (the original all-steel standardized sectional building) to the needs of the automobile owner.

Over 10,000 Quixets are in daily use throughout the country—not as temporary shelters, but as permanent housings for cars.

On the large estate, in the back yard, or on the vacant lot, Quixet Garages will always be found a source of pride and profit to the owner.

The Quixet Garage is the highest class all-steel garage on the market, and is made in all sizes, for private or for public use.

Where the Space is Available, Double Quixet Garages are most economical—one compartment can be rented out.





# QUIXET GARAGES



Multiple Garages, of either Quixet or Prudential design, can be furnished for any number of cars, for either private or public use, with compartments 8', 10', or 12' in width and 15', 17' 6" or 20' in depth.

## SINGLE QUIXET GARAGES

### STANDARD SIZES

No.	Width	Length	Walls	No.	Width	Length	Walls
1	8'	12' 6"	8'	7	10'	17' 6"	8'
2	8'	15' 0"	8'	8	10'	20' 0"	8'
3	8'	17' 6"	8'	9	12'	12' 6"	8'
4	8'	20' 0"	8'	10	12'	15' 0"	8'
5	10'	12' 6"	8'	11	12'	17' 6"	8'
6	10'	15' 0"	8'	12	12'	20' 0"	8'

### EQUIPMENT INCLUDED

- 1 Pair Double Entrance Doors, with complete hardware, size 7' 9" x 7' 9"
- 1 Hinged Metal Window, glazed with wire glass, size 2' 6" x 3' 0"

### EXTRAS

- Windows, 2' 6" x 3' 0". Ventilators, 10" diameter.
- Service Doors, with complete hardware, 2' 1 1/2" x 6' 6".
- Double Doors, with complete hardware, 7' 9" x 7' 9".
- Wire Glass Paneled Doors.

## DOUBLE QUIXET GARAGES

### STANDARD SIZES

No.	Width	Length	Walls	No.	Width	Length	Walls
21	17' 6"	17' 6"	8' 0"	23	20' 0"	17' 6"	8' 0"
22	17' 6"	20' 0"	8' 0"	24	20' 0"	20' 0"	8' 0"

### EQUIPMENT INCLUDED

- 2 Pairs Double Entrance Doors, with complete hardware, each 7' 9" x 7' 9"
- 2 Hinged Metal Windows, glazed with wire glass, size 2' 6" x 3' 0" each

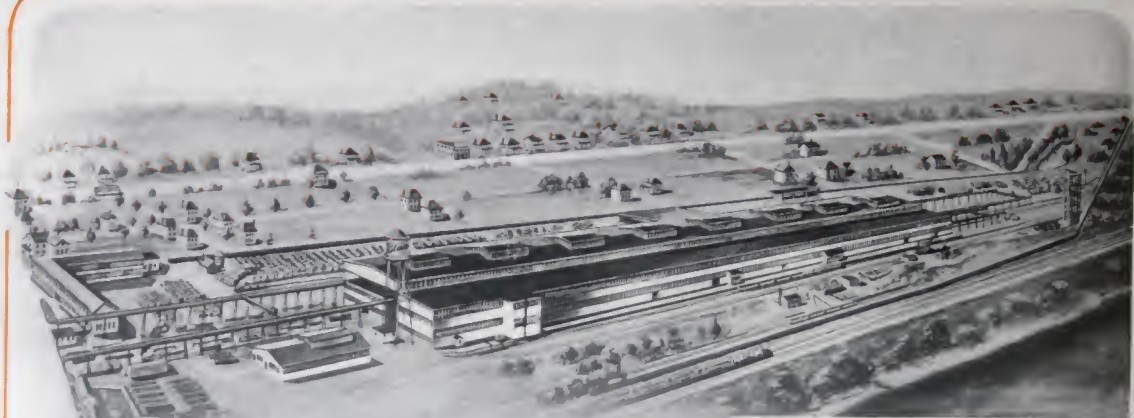
### EXTRAS

- Windows, 2' 6" x 3' 0". Ventilators, 10" diameter.
- Service Doors, with complete hardware, 2' 1 1/2" x 6' 6".
- Double Doors, with complete hardware, 7' 9" x 7' 9".
- Wire Glass Paneled Doors.



Should it be found desirable at any time to move a Quixet to another location the entire building can be salvaged, without the loss of even a bolt.





Home of Blaw-Knox Products, which has been Quadrupled in Size Since this View was Made.

## PRODUCTS OF THE BLAW-KNOX COMPANY



### FABRICATED STEEL

Fabricated steel, one of the principal products of Blaw-Knox Company, includes mill buildings, manufacturing plants, standardized sectional steel buildings, bridges, crane runways, trusses and other construction of a highly fabricated nature.

A corps of highly trained engineers is maintained for consulting and designing services.

### TRANSMISSION TOWERS

Four-legged straight line or suspension towers, anchor and dead-end towers, latticed and channel A-frames, river-crossing towers, outdoor substations, switching stations, signal towers, steel poles, derrick towers.

We specialize in the design and fabrication of high tension transmission lines.

### PLATE WORK

**Welded Construction**—Forge and hammer welded containers for high pressures and extremes in expansion and contraction. 90% efficiency at the weld.

Oxy-acetylene or electric welded steel plate construction to replace troublesome castings and riveted work which cannot be kept water tight.

**Riveted Construction**—Steel plate products of every description including accumulators, agitators, containers, filters, flumes, gear guards, kettles, standpipes, miscellaneous tanks, miscellaneous blast furnace work, etc.

### BLAW BUCKETS

Clamshell buckets and automatic cableway plants for digging and rehandling earth; sand; gravel; coal; ore; limestone; tin scrap; slag; cinders; fertilizers; rock products; etc.

For installation on derricks; overhead and locomotive cranes; monorails; dredges; steam shovels; ditchers; cableways; ships, for handling cargo and coal; etc.

### BLAWFORMS

Steel forms for every type of concrete construction: aqueducts; bridges; cisterns; columns; culverts; curbs and gutters; dams; factories; floors; foundations; houses; locks; manholes; piers; pipe; reservoirs; roads; sewers; shafts; sidewalks; subways; tanks; tunnels; viaducts; retaining walls; warehouses; etc.

### FURNACE APPLIANCES

**Open Hearth, Glass and Copper Furnaces**—Knox patented water-cooled doors, door frames, front and back wall coolers, buckstays, ports, reversing valves, etc.

**Sheet and Tin Mills**—Water-cooled floors and shields, water boshes, palm oil plants, annealing boxes and carriers, sheet bar carriers, sheet pack carriers, cut bar carriers, scrap buckets, acid tanks, grease pots, galvanizing kettles, cooling tables, terne pots. Annealing pots and covers for wire strip mills.





